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JPRS 30618

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ELECTRIC STEELMAKING FURNACE ROOFS OF
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Order from MT MT Trans-87

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DESCRIPTORS: Roofs, Thickness, *Electric furnaces,
Steel

61-22796

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HB 6220

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EEur - Czechoslovakia
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WITH SELECTIVE SOLVENTS. [1961] 5p
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Condensed trans. of Neftyanoe Khozyaistvo (USSR)
1936 [v. 17] no. 10, p. 60-63.

DESCRIPTORS: *Oils, *Lubricants, Waxes,
Separation, Solvents.

(Materials--Lubricants, TT, v. 11, no. 3)

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1954, pp 27-35
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DESCRIPTORS: Optical images.

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JPRS 21454

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DESCRIPTORS: *Nicotine.

(Biological Sciences--Pathology, TT, ...)

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SLA 60-18461

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JPRS 8548

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M. D. Schleglova.

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Order from MT 3 MT Trans-38

Trans. of Ogneupory (USSR) 1957, v. 22, no. 12,
p. 529-533.

DESCRIPTORS: Refractory materials, Brick, *Iron
compounds, *Chromium compounds, Oxides.

(Materials--Refractories, TT, v. 6, no. 10)

61-22811

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II. MT Trans-38
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15p. 59 refs.
Order from SLA \$1.60

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DESCRIPTORS: *Nicotine, Cigarettes, Smokes, Tobacco,
Diseases, Heart, *Blood circulation.

(Biological Sciences--Pathology, TT, v. 10, no. 7)

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NIH 7-6-60

Sci - Med

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CIA 1-669.9.162

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Trans. of Melland Textilberichte (West Germany)
1960 [v. 31] p. 255-[263].

DESCRIPTORS: *Polyvinyl chloride, *Fibers
(Synthetic), Stretch forming, Mechanical properties,
Textiles, Manufacturing methods.

(Materials--Textiles. TT, v. 11, no. 9)

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Vol XII, 1953, pp 325-328.

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BRL, Ft Belvoir T-1506

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ANOMALOUS REACTIONS IN THE DETERMINATION
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Order from SLA ml\$1.80, ph\$1.80

61-10312

Trans. of Mikrochim[ica] Acta (Austria) 1960, no. 2,
p. 245-253.

The generation of nitrogen, as in the case of an easily
deaminable amine, took place rapidly and completely
at as low as 20°C. With the pyrrolidine compounds, a
further gas-producing reaction at 50°C and above was
determined, which at 80°C yields 1.40 moles
(N₂ + N₂O). In the first reaction an N-nitroso com-
pound is formed, which is unstable in an aqueous solu-
tion. During its hydrolysis, a diazonium salt is pro-
(Chemistry--Organic, TT, v. 5, no. 4) (over)

61-10312

1. Amino nitrogen--
Determination
2. Nitrous acid--Chemical
reactions
3. Nitrogen compounds
(Organic)--Chemical
reactions
4. Title: Anomalous reactions
I. Kainz, Gerald
II. Huber, Hans
III. Title: Reactions...

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OF AMINO NITROGEN. [VIII]. THE ANOMALIES OF
SOME AMINO ACIDS. [1960] 10p. (8 figs. omitted)
11 refs.

Order from SLA mi\$1.80, ph\$1.80 61-10314

Trans. of Mikrokchimica] Acta (Austria) 1960 [no. 1]
p. 62-71.

A hydroxyl compound, and probably the corresponding
nitrolic acid, is formed during the deamination. In
the case of alpha-amino acids, carbon dioxide is also
liberated. The extent of the formation of nitrolic acid
depends on the concentration of the nitrite solution;
under conditions for the determination of the amino
nitrogen, about 30% is produced. The nitrolic acid is
the starting point for the anomalous production of gas.
When the temperature is increased, the isonitroso
(Chemistry--Organic, TT, v. 5, no. 4) (over)

61-10314

1. Amino nitrogen--
Determination
2. Amino acids--Chemical
reactions
3. Nitrous acid--Chemical
reactions
4. Title: Anomalous reactions
- I. Kainz, G.
- II. Kasler, F.
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Kainz, Gerald and Huber, Hans.

CONTRIBUTION TO OUR KNOWLEDGE OF THE REACTIONS THAT IN AMINO NITROGEN DETERMINATION PRODUCE ANOMALOUS RESULTS: THE ANOMALY OF THE ISONITROSO COMPOUNDS. [1960] [10]p. (refs. 1 table 1 diagr. 8 figs. Formulae, Eng. summary omitted).

Order from SLA mi\$1.80, ph\$1.80

61-10387

Trans. of Mikrochimica Acta (Austria) 1959, no. 3, p. 337-345.

(Chemistry--Organic, TT, v. 5, no. 5)

61-10387

1. Amino nitrogen--Determination
2. Nitroso compounds--Chemical reaction
1. Kainz, G.
- II. Huber, H.
- III. Title: Anomaly...

Office of Technical Services

61-10311

1. Ethylene glycols--
Determination
I. Kainz, G.

Office of Technical Services

Kainz, Gerald,

MICRO DETERMINATION OF GLYCOL ETHER
COMPOUNDS. [1960] 7p. (2 figs. 1 diag. omitted)
7 refs.

Order from SLA mi\$1.80, ph\$1.80 61-10311

Trans. of Mikrophim[ica] Acta (Austria) [1960] no. 2,
p. 254-260.

The method is based upon glycol ethers yielding one mole of (ethyl iodide ethylene) with boiling hydriodic acid. The resultant ethyl iodide and ethylene are swept by carbon dioxide into a receiver charged with a standard silver nitrate solution (in glacial acetic acid), where ethyl iodide becomes absorbed. The ethylene is carried by the carrier gas into the azotometer where, after absorption of the carbon dioxide, ethylene is left behind. The ethyl iodide is determined by back-titrating the receiving silver nitrate solution with potassium iodide, using iodine and starch as an (Chemistry--Analytical, TT, b. 5, no. 4) (over)

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Sulfate Lanthanum Titanate System, by G. Hahn, 20 pp

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Dept of Commerce
Dr Henry Diamond
Natl Bur of Standards

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